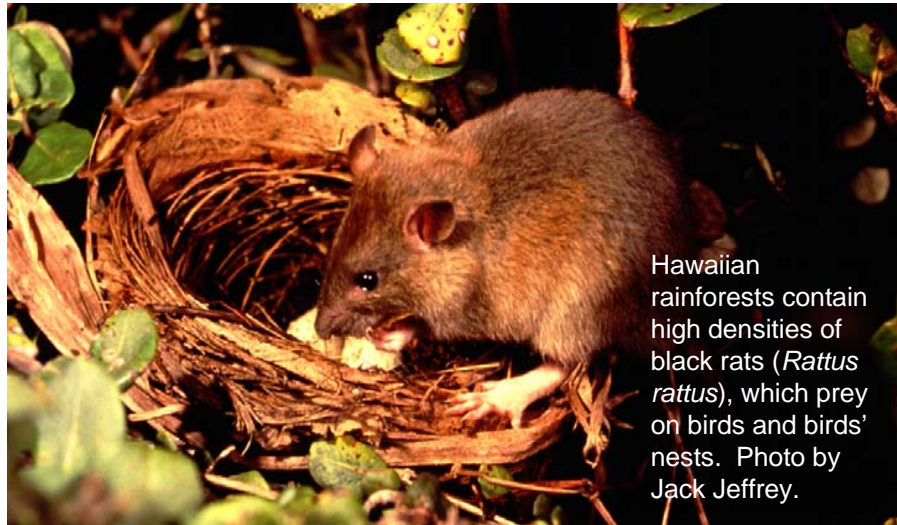


# Effectiveness of Potential Management Actions for Increasing Populations of Endangered Birds in Wet Forests of Hawaii

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Hawaiian rainforests contain high densities of black rats (*Rattus rattus*), which prey on birds and birds' nests. Photo by Jack Jeffrey.

## Objectives:

- ☆ Determine the feasibility, cost, and effectiveness of ground-based rodent control in remote rainforest ecosystems
- ☆ Document the impact of rodent control on forest bird populations

## Accomplishments:

- ☆ Documented cost & person-days required per km<sup>2</sup> to reduce rodents to <5% of pre-treatment levels
- ☆ Documented the effect of rodent control on rodent abundance, forest bird productivity, population size, and nesting success

## Significance:

- ☆ First and largest experimental test of ground-based rodent control in Hawaiian rainforest
- ☆ Model for ground-based rodent management projects on Hawaii, Oahu, Maui and Kauai
- ☆ Applied to protection of rare plants, birds, and invertebrates